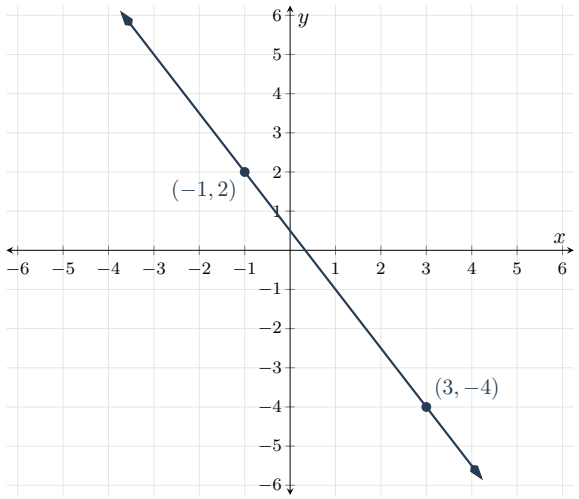

Exercise 1

(a) *The slope of this line is*

Multiple Choice:

(i) *positive because y is increasing*
(ii) *positive because y is decreasing*
(iii) *negative because y is increasing*
(iv) *negative because y is decreasing* ✓

(b) *The slope of this line is* $m = \boxed{-3/2}$.

Hint: *Recall that the slope of the line is the rate of change between any two data points on the line,* $m = \dfrac{\Delta y}{\Delta x}$.

(c) *The y-value of the point corresponding to $x = 0$ is* $b = \boxed{1/2}$.

(d) *The point-intercept form of the equation of this line is* $y = \boxed{-3/2}x + \boxed{1/2}$.

(e) *The point-slope form of the equation of this line is* $y - 2 = \boxed{-3/2}\left(x - \boxed{-1}\right)$.

(f) *The equation of this line in standard form* $\boxed{3}x + \boxed{2}y = 1$.